

Tennessee Department of Environment and Conservation Division of Water Pollution Control Enforcement and Compliance Section L&C Annex, 6th Floor, 401 Church Street Nashville, TN 37243 (615) 532-0625

1.	Small M MS4 Information	unicipal Separate St	orm Sewer Sy	stem (MS4)	Annual Ro	eport	
	milton County Water Quali	ty Program					
Naı	me of MS4						
Tin	n McDonald, Program Man	ager					
	me of Contact Person						
(42	23) 209-7851						
	lephone (including area cod	e)					
	-r (-,					
	50 Market Street, Suite 3050	0					
Ma	niling Address						
Cha	attanooga		TN	37402			
Cit	y		State	ZIP co	de		
	nat is the current population st Ridge 20,001; Lakesite 1.			•			
Wh	nat is the reporting period for	or this annual report?	From July 1,	2010 to	June 30,201	.1	
2.	PROTECTION OF STATE O						
	A. Are any of the MS4 di any state or federally l for Phase II MS4s)	scharges or discharge-risted species (Part 3, S		, ,] Yes ⊠] No
	B. Please attach the deter 3.2.1	mination of the effect o	f the MS4 disch	arges on state	or federally	listed species	per sub-par
3.	WATER QUALITY PRIORI	TIES					
	A. Does your MS4 discha	arge to waters listed as i	mpaired on the	state 303(d) lis	st?	Yes] No
	B. If yes, identify each in each, and whether the	npaired water, the impair TMDL identifies your l				n approved by	/ EPA for
V	Waterbody I.D. #	Cause/TMDL Pr	iority	Approved	TMDL	MS4 Assign	ned to WLA
F	Friar Branch	Siltation	N/A	⊠ Yes	□No	⊠ Yes	□No
(TN06020001007-0100)	NI 4 : 4	т		57 N		53. N.

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Waterbody I.D. #	Cause/TMDL Priority		Approved	l TMDL	MS4 Assign	ned to WLA
Friar Branch	Siltation	N/A	⊠ Yes	□ No	⊠ Yes	□ No
(TN06020001007-0100)	Nutrients	L	☐ Yes	⊠ No	☐ Yes	⊠ No
	Habitat Loss	N/A	⊠ Yes	□ No	⊠ Yes	□ No
	E. coli	N/A	⊠ Yes	□ No	⊠ Yes	□ No
Mackey Branch	Habitat Alterations	M	☐ Yes	⊠ No	☐ Yes	⊠ No
(TN06020001007-0300)	Siltation	M	☐ Yes	⊠ No	☐ Yes	⊠ No
	E. coli	Н	⊠ Yes	□ No	⊠ Yes	□ No
Spring Creek	Unknown Toxicity	L	☐ Yes	⊠ No	☐ Yes	⊠ No
(TN06020001007-0510)	E. coli	N/A	⊠ Yes	□ No	⊠ Yes	□ No

South Chickamauga Creek	Total Phosphorous	L	☐ Yes	⊠ No	☐ Yes	⊠ No
(TN06020001007-1000)	Habitat Alterations	N/A	⊠ Yes	□ No	⊠ Yes	□ No
	E. coli	N/A	⊠ Yes	□ No	⊠ Yes	□ No
	Siltation	N/A	⊠ Yes	□ No	⊠ Yes	□ No
Long Savannah Creek (TN06020001029-1000)	E. coli	Н	⊠ Yes	□No	⊠ Yes	□ No
Ninemile Branch	Low Dissolved O ₂	L	☐ Yes	⊠ No	☐ Yes	⊠ No
(TN06020001067-0210)	Habitat Alterations	N/A	⊠ Yes	□No	⊠ Yes	□ No
Rogers Branch (N.	Low Dissolved O ₂	L	☐ Yes	⊠ No	☐ Yes	⊠ No
Chickamauga) (TN06020001067-1400)	Flow Alterations	N/A	☐ Yes	⊠ No	☐ Yes	⊠ No
North Chickamauga Creek	рН	N/A	⊠ Yes	□No	☐ Yes	⊠ No
(TN06020001067-2000)	Habitat Alterations	N/A	⊠ Yes	□No	⊠ Yes	□ No
Fruedenberg Creek	Iron	L	□Yes	⊠ No	☐ Yes	⊠ No
(TN06020001109-0300)	Low Dissolved O ₂	L	☐ Yes	⊠ No	☐ Yes	⊠ No
	рН	L	☐ Yes	⊠ No	☐ Yes	⊠ No
Gillespie Springs Branch	E. coli	M	⊠ Yes	□No	⊠ Yes	□No
(TN060200011244-400)	Habitat Alterations	N/A	⊠ Yes	□No	⊠ Yes	□ No
Stringers Branch	E. coli	N/A	⊠ Yes	□No	⊠ Yes	□No
(TN06020001426-0100)	Habitat Alterations	N/A	⊠ Yes	□No	⊠ Yes	□ No
Unnamed Trib. to Chickamauga Reservoir (TN06020001497-1000)	Biological Integrity	M	□Yes	⊠ No	☐ Yes	⊠ No
Rogers Branch (Wolftever) (TN06020001880-1000)	E. coli	Н	⊠ Yes	□No	⊠ Yes	□No
Wilkerson Branch (TN06020001889-0300)	E. coli	Н	⊠ Yes	□No	⊠ Yes	□No
Wolftever Creek (TN06020001889-1000)	E. coli	Н	⊠ Yes	□No	⊠ Yes	□ No

C. What specific sources of these pollutants of concern are you targeting? <u>Pathogens from Illicit Discharges and Siltation/Habitat Alteration from Construction Activity.</u>

		Small Municipal Separate Storm Sewer System (MS4) Annual Rep	ort	
	D.	Do you have discharges to any Exceptional TN Waters (ETWs) or Outstanding National Resource Waters (ONRWs)?	⊠ Yes	□No
	E.	Are you implementing additional specific provisions to ensure the continued integrity of ETWs or ONRWS located within your jurisdiction?	⊠ Yes	□No
4.		BLIC EDUCATION AND PUBLIC PARTICIPATION Is your public education program targeting specific pollutants and sources of those pollutants?	⊠ Yes	□No
poi pat	hoge	If yes, what are the specific causes, sources and/or pollutants addressed by your public educe pollution from urbanized and municipal areas; sediment and habitat alteration from contents and household pollutants from illicit discharges; solid waste, petroleum and miscellane pal operations.	onstruction act	tivity;
	C.	Note specific successful <u>outcome(s)</u> (NOT tasks, events, publications) fully or partially at education program during this reporting period. <u>187 calls to the Pollution Hotline number</u>		our public
	D.	Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program?	⊠ Yes	□No
	E.	Provide a summary of all public meetings required by the permit. <u>Management Committed</u> quarterly; Southeast Region TNSA meetings hosted in March and May 2011; County Fair 25-26, 2010; Eco-Expo April 7, 2011; UTC Earth Day April 20, 2011; Monthly Meetings meetings with Local Emergency Planning Committee.	outreach Sept	<u>ember</u>
5.		DES AND ORDINANCES REVIEW AND UPDATE Is a completed copy of the EPA Water Quality Scorecard submitted with this report?	⊠ Yes	□No
	B.	Include status of implementation of code, ordinance and/or policy revisions associated wire stormwater management. To be implemented in accordance with timelines in Permit TNS began in 2011 with the Water Quality Scorecard and will be ongoing until April 19, 2015.	<u>075566. The p</u>	rocess
6.		Other construction waste control requirements? Requirement to submit construction plans for review?	⊠ Yes ⊠ Yes	□ No □ No □ No □ No
	B.	How many active construction sites disturbing at least one acre were there in your jurisdic period? 34	ction this repor	ting
	C.	How many of these active sites did you inspect this reporting period? 208 visits to 34 sites	3	
	D.	On average, how many times each, or with what frequency, were these sites inspected (e.g etc.)? Monthly and following rain events	g., weekly, mo	nthly,
	E.	Do you prioritize certain construction sites for more frequent inspections?	⊠ Yes	□ No
		If Yes, based on what criteria? <u>Proximity to sediment-impaired streams and developer his developers with histories of violations are inspected more frequently.</u>	tory. Sites and	
		ICIT DISCHARGE ELIMINATION Have you completed a map of all outfalls and receiving waters of your storm sewer		
	А.	system?	⊠ Yes	П №

		Small Municipal Separate Storm Sewer System (MS4) Annual Rep	ort	
	B.	Have you completed a map of all storm drain pipes of storm sewer system?	□Yes	⊠ No
	C.	How many outfalls have you identified in your system? 2,254		
	D.	How many of these outfalls have been screened for dry weather discharges? 2,254		
	E.	How many of these have been screened more than once? <u>26</u>		
	F.	What is your frequency for screening outfalls for illicit discharges? Over the permit cycle		
	G.	Do you have an ordinance that effectively prohibits illicit discharges?	⊠ Yes	□ No
	Н.	During this reporting period, how many illicit discharges/illegal connections have you discreported to you)? $\underline{13}$		en
	I.	Of those illicit discharges/illegal connections that have been discovered or reported, how reliminated? $\underline{7}$	nany have been	n
8.	STO A.	DRMWATER MANAGEMENT FOR MUNICIPAL OPERATIONS Have stormwater pollution prevention plans (or an equivalent plan) been developed for:		
		All parks, ball fields and other recreational facilities	☐ Yes	⊠ No
		All municipal turf grass/landscape management activities	☐ Yes	⊠ No
		All municipal vehicle fueling, operation and maintenance activities	⊠ Yes	□No
		All municipal maintenance yards	⊠ Yes	□No
		All municipal waste handling and disposal areas	⊠ Yes	□No
	B.	Are stormwater inspections conducted at these facilities?	⊠ Yes	□No
		If Yes, at what frequency are inspections conducted? <u>Annually with municipalities and conducted</u> a prioritized list; sites with greater risk to water quality are inspected more frequently.	unty-owned fac	cilities or
	C.	Have standard operating procedures or BMPs been developed for all MS4 field activities? (e.g., road repairs, catch basin cleaning, landscape management, etc.)	☐ Yes	⊠ No
	D.	Do you have a prioritization system for storm sewer system and permanent BMP inspections?	☐ Yes	⊠ No
	E.	On average, how frequently are catch basins and other inline treatment systems inspected? <u>municipality.</u>	Depends on the	<u>he</u>
	F.	On average, how frequently are catch basins and other inline treatment systems cleaned out on the municipality.	t/maintained?	<u>Depends</u>
	G.	Do municipal employees in all relevant positions and departments receive comprehensive training on stormwater management?	⊠ Yes	□No
	Н.	If yes, do you also provide regular updates and refreshers?	⊠ Yes	□No
		If so, how frequently and/or under what circumstances? Annually		
9.	PEI A.	RMANENT STORMWATER CONTROLS Do you have an ordinance or other mechanism to require:		
		Site plan reviews of all new and re-development projects?	⊠ Yes	□No
		Maintenance of stormwater management controls?	⊠ Yes	□No
		Retrofitting of existing BMPs with green infrastructure BMPs?	☐ Yes	⊠ No

В	What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, p greater than one acre, etc.) All projects disturbing greater than one acre; projects that are p plan of development, and sites not otherwise permitted that incur at least two violations.			
C.	Have you implemented and enforced performance standards for permanent stormwater controls?	⊠ Yes	□No	
D.	Do these performance standards go beyond the requirements found in paragraph 4.2.5.2 and require that predevelopment hydrology be met for:			
	Flow volumes	☐ Yes	⊠ No	
	Peak discharge rates	☐ Yes	⊠ No	
	Discharge frequency	☐ Yes	⊠ No	
	Flow duration	☐ Yes	⊠ No	
E.	Please provide the URL/reference where all permanent stormwater management standards www.hamiltontn.gov/waterquality	can be found.		
F.	How many development and redevelopment project plans were reviewed for this reporting	g period? <u>21</u>		
G.	How many development and redevelopment project plans were approved? 20			
Н.	How many permanent stormwater management practices/facilities were inspected? <u>2 BB& that were completed and required follow up inspections.</u>	zT, Woodridge	as sites	
I.	How many were found to have inadequate maintenance? <u>0</u>			
J.	Of those, how many were notified and remedied within 30 days? (If window is different the specify) $\underline{N/A}$	ıan 30 days, plo	ease	
K.	How many enforcement actions were taken that address inadequate maintenance? <u>N/A</u>			
L.	Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance?	⊠ Yes	□No	
M.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?	⊠ Yes	□No	
N.	Has the MS4 developed a program to allow for incentive standards for redeveloped sites?	☐ Yes	⊠ No	
O.	How many maintenance agreements has the MS4 approved during the reporting period? 1	<u>7</u>		
). EN A.	FORCEMENT Identify which of the following types of enforcement actions you used during the reporting	g period, indic	ate the	

10.

number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater control) or note those for which you do not have authority:

Action	Construction	Permanent Stormwater Controls	Illicit Discharge	Autho	rity?
Notice of violation	# <u>7</u>	# <u>0</u>	# <u>7</u>	⊠ Yes	□ No
Administrative fines	# <u>0</u>	# <u>0</u>	# <u>0</u>	⊠ Yes	□ No
Stop Work Orders	# <u>2</u>	# <u>0</u>	# <u>0</u>	⊠ Yes	□ No
Civil penalties	# <u>5 total \$2000</u>	# <u>0</u>	# <u>0</u>	⊠ Yes	□ No
Criminal actions	# <u>0</u>	# <u>0</u>	# <u>0</u>	☐ Yes	⊠ No
Administrative orders	# <u>0</u>	# <u>0</u>	# <u>0</u>	⊠ Yes	□ No
Other Warnings	# <u>5</u>	# <u>0</u>	# <u>0</u>		

B.	2	tic tool (e.g., GIS, data base, spreadshe enforcement actions in your jurisdiction		⊠ Yes	□ No
C.	maintain, and use erosi	ommon types of violations documented ion controls during construction; failur lization); illicit discharges.			
1. Pr	OGRAM RESOURCES				
A.	2	expenditure to implement the requirement Revenues \$636,164.99, Expenditures S	2	ermit and SV	VMP this
B.	-	dget for implementing the requirement . Expenditures \$620,886.75.	s of your MS4 NPDES permi	it and SWM	P?
C.	Do you have an indepe	endent financing mechanism for your s	tormwater program?	⊠ Yes	□No
D.	If so, what is it/are the	y (e.g., stormwater fees), and what is the	ne annual revenue derived fro	m this mech	anism?
	Source: Stormwater F	<u>ees</u>		Amount §	\$608,607.27
	Permitting Fee Delinquent Fe	d Operating and Maintenance Fees es e Penalty & Interest d O&M Fee Interest Earned		Amount	\$14,846.00 \$4,793.20 \$7,982.27 \$26.25
E.	2	mployees does your municipality devoted mwater program vs. municipal employed? 8	1 0	\ I	
F.	Do you share program	implementation responsibilities with a	ny other entities?	⊠ Yes	□ No
Entity		Activity/Task/Responsibility	Your Oversight/Accounta	bility Mech	anism
Γenn .	Assoc Broadcasters	Radio Public Service Announcements	Budgeting for and paying for	or announcer	nents
Munic	cipalities	Pollution Prevention, Housekeeping	Compliance Inspections		

12. EVALUATING/MEASURING PROGRESS

B.

1

What indicators do you use to evaluate the overall effectiveness of your Stormwater Management Program, how long have you been tracking them, and at what frequency? Note that these are not measurable goals for individual BMPs or tasks, but large-scale or long-term metrics for the overall program, such as in-stream macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

Indicator	Began Tracking (year)	Frequency	Number of Locations
Example: E. coli	2003	Weekly April-September	20
Pathogens (TMDL Plan)	2010	Per TMDL plan	3

B. Provide a summary of data (e.g., water quality information, performance data, modeling) collected in order to evaluate the performance of permanent stormwater controls installed throughout the system. This evaluation may include a comparison of current and past permanent stormwater control practices. To be developed during the permit cycle beginning April 19, 2011.

13. STORMWATER MANAGEMENT PROGRAM UPDATE

A. Describe any changes to the MS4 program during the reporting period including but not limited to:

Changes adding (but not subtracting or replacing) components, controls or other requirements per paragraph **4.4.2.a** of the permit. The Program Rules and Regulations were changed in January 2011 to add clear provisions for transferring, amending, and extending Land Disturbing permits; the Runoff Management Permit was deleted since the Program's Inspection and Maintenance Agreement was deemed to be adequate for enforcing maintenance of permanent stormwater controls. In addition, the fee amounts were corrected to read \$9.00 for residential units and \$108.00 per impervious acre for commercial and industrial properties. Ceilings of \$2,500 on deposits for dry ponds and \$5,000 on deposits for wet ponds were added for residential detention/water quality ponds.

Changes to replace an ineffective or unfeasible BMP per paragraph 4.4.2.b of the permit. 0

Information (e.g. additional acreage, outfalls, BMPs) on program area expansion based on annexation or newly urbanized areas. None — will be made as needed by changes in urban area or annexation. The Program has provisions for adding areas to the Program Area in the Rules and Regulation (updated January 2011).

Changes to the program as required by the division. $\underline{0}$

14. CERTIFICATION

This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Printed Name and Title	Signature	Date

Annual reports must be submitted in accordance with the requirements of subpart 5.4. (Reporting) of the permit. Annual reports must be submitted to the appropriate Environmental Field Office (EFO) by September 30 of each calendar year, as shown in the table below:

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	540 McCallie Avenue STE 550	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000